

Substitute Form PTO-1449 (Modified)  <b>Information Disclosure Statement</b> <b>by Applicant</b> (Use several sheets if necessary)  (37 CFR §1.98(b))	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 06618-892002	Application No. Applied For
	Applicant Nathan S. Lewis et al.		
	Filing Date July 10, 2003	Group Art Unit Unknown	

U.S. Patent Documents							
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
19	AA	6,093,308	07/25/00	Lewis et al.			
	AB	6,017,440	01/25/00	Lewis et al.			
10	AC	6,013,229	01/11/00	Lewis et al.			
	AD	6,010,616	01/04/00	Lewis et al.			
	AE	5,959,191	09/28/99	Lewis et al.			
	AF	5,951,846	09/14/99	Lewis et al.			
	AG	5,911,872	06/15/99	Lewis et al.			
	AH	5,891,398	04/06/99	Lewis et al.			
	AI	5,788,833	08/04/98	Lewis et al.			
	AJ	5,698,089	12/16/97	Lewis et al.			
	AK	5,571,401	11/05/96	Lewis et al.			
	AL	5,653,939	08/05/97	Hollis et al.			
	AM	5,466,348	11/14/95	Holm-Kennedy			
	AN	5,417,100	05/23/95	Miller et al.			
	AO	4,674,320	06/23/87	Hirschfeld			
	AP	6,455,319 B1	09-2002	Lewis et al.			
10	AQ	6,467,333 B2	10-2002	Lewis et al.			
	AR	6,315,956 B1	11-2001	Foulger			
	AS	4,517,161	05-1985	Gravina et al.			
	AT	4,555,930	12-1985	Leach et al.			
	AU	4,847,783	07-1989	Grace et al.			
	AV	4,895,017	01-1990	Pyke et al.			
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	AX	5,494,826	02-1996	Stetter et al.			
	AY	5,526,280	06-1996	Consadori, et al.			
	AZ	6,093,308	07-2000	Lewis et al.			
10	AAA	6,170,318 B1	01-2001	Lewis			

Examiner Signature <i>KSL</i>	Date Considered <i>9/2/04</i>
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

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U.S. Patent Documents							
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6	ABB	6,290,911 B1	09-2001	Lewis et al.			
6	ACC	6,182,497 B1	02-2001	Krajci			
6	ADD	6,244,096	06-2001	Lewis et al.			
6	AEE	6,408,250	06-2002	Grate et al.			


Foreign Patent Documents or Published Foreign Patent Applications								
Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
6	AFF	WO99/53300	21.10.99	PCT				
	AGG	WO00/33062	08.06.00	PCT				
	AHH	WO00/26638	11.05.00	PCT				
	AII	WO00/00808	06.01.00	PCT				
	AJJ	WO99/67627	29.12.99	PCT				
	AKK	WO99/66304	23.12.99	PCT				
	ALL	WO99/61902	02.12.99	PCT				
	AMM	WO99/53287	21.10.99	PCT				
	ANN	WO99/47905	23.09.99	PCT				
	AOO	WO99/40423	12.08.99	PCT				
	APP	WO99/08105	18.02.99	PCT				
6	AQQ	WO99/00663	07.01.99	PCT				

Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
6	ARR	Dickinson et al., "Generating Sensor Diversity through Combinatorial Polymer Synthesis," <i>Anal. Chem.</i> 69:3413-3418 (1997)
6	ASS	Doleman et al., "Quantitative Study of the Resolving Power of Arrays of Carbon Black-Polymer Composites in Various Vapor-Sensing Tasks," <i>Anal. Chem.</i> 70:4177-4190 (1998)
6	ATT	Domansky et al., "Development and Calibration of Field-Effect Transistor-Based Sensor Array for Measurement of Hydrogen and Ammonia Gas Mixtures in Humid Air," <i>Anal. Chem.</i> 70:473-481 (1998)
6	AUU	Freund and Lewis, "A chemically diverse conducting polymer-based "electronic nose," <i>Proc. Natl. Acad. Sci. USA</i> 92:2652-2656 (1995)

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6	AVV	J. Lipman, "E-noses nose out traditional odor-detection equipment," <i>EDN Magazine</i> (December 17, 1998)
	AWW	Lonergan et al., "Array-Based Vapor Sensing Using Chemically Sensitive, Carbon Black-Polymer Resistors," <i>Chem. Mater.</i> 8:2298-2312 (1996)
	AXX	Slater et al., "Multi-layer Conducting Polymer Gas Sensor Arrays for Olfactory Sensing," <i>Analyst</i> 118:379-384 (1993)
	AYY	Nakamoto, T; Ishida, H; Moriizumi, T; "ACTIVE ODOR SENSING SYSTEM"; Proceedings of IEEE International Symposium on Industrial Electronics; Volume 1; 1997; pp SS128-SS133
	AZZ	Mitrovics, J; Ulmer, H; Noetzel, G; Weimar, U; Gopel, W; "HYBRID MODULAR SENSOR SYSTEMS: A NEW GENERATION OF ELECTRONIC NOSES", Proceedings of the IEEE International Symposium on Industrial Electronics; Volume 1; 1997; SS116-SS121
	AAAA	Keller, P; Kangas, L; Linden, L; Hashem, S; Kouzes, R; "ELECTRONIC NOSES AND THEIR APPLICATIONS", IEEE Technical Applications Conference and Workshops Northcon 95; 1995; pp.116
6	ABBB	Nagle, H; Gutierrez-Osuna, R; Schiffman, S; "THE HOW AND WHY OF ELECTRONIC NOSES", IEEE Spectrum; Volume 35 Issue 9; 1998; pp 22-31

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